

30. (Amended) A polynucleotide encoding an immunologically effective detoxified fragment of an *E. coli* heat labile toxin (LT-A) polypeptide, wherein

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- (i) said fragment is at least 8 amino acids in length;
 - (ii) said fragment includes the amino acid residue at position 72, numbered relative to SEQ ID NO:2; and
 - (iii) said amino acid residue at position 72, numbered relative to SEQ ID NO:1, is an arginine residue.

31. (Amended) A polynucleotide encoding an immunologically effective detoxified fragment of an *E. coli* heat labile toxin (LT-A) polypeptide, wherein

- (i) said fragment is at least 8 amino acids in length;
- (ii) said fragment includes the amino acid residue at position 72, numbered relative to SEQ ID NO:3; and
- (iii) said amino acid residue at position 72, numbered relative to SEQ ID NO:1, is an arginine residue.

32. (Amended) A polynucleotide encoding an immunologically effective detoxified fragment of an *E. coli* heat labile toxin (LT-A) polypeptide, wherein

- (i) said fragment is at least 8 amino acids in length;
- (ii) said fragment includes the amino acid residue at position 72, numbered relative to SEQ ID NO:4; and
- (iii) said amino acid residue at position 72, numbered relative to SEQ ID NO:1, is an arginine residue.

Attached hereto are a **version with markings to show changes made** and a **pending claims**.